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NPIC/R-1508/63
October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX

MISSION 171
30 AUGUST 1963

EDD	<i>[initials]</i>
WER	<i>[initials]</i>
RDO	<i>[initials]</i>
RLP	<i>[initials]</i>
KS	<i>[initials]</i>
SH	<i>[initials]</i>
PGS	<i>[initials]</i>

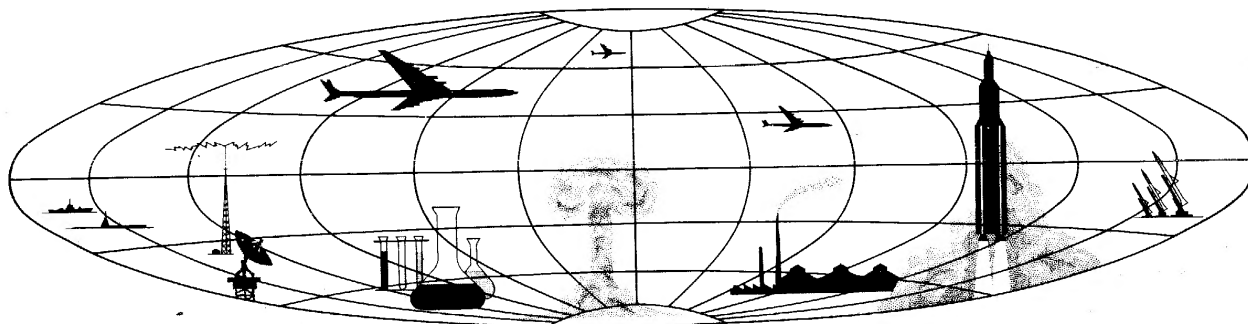


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GROUP 1
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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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PREFACE

This Mission Coverage Index (MCI) lists items of intelligence interest in China and North Vietnam covered by aerial photographic material from CHURCH DOOR Mission [] 171, dated 30 August 1963 []

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[] Items in the compilation are arranged in three sections:

Section I provides summary information for a) newly identified targets, b) previously reported targets which show a change, and c) all targets showing order of battle information.

Section II provides a listing of those targets which reflect no change in facilities from previous target description. The mission number shown on the photo reference line [] refers to the MCI which contains the most adequate description of that target. Military installations where no order of battle can be determined are listed under this section.

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Section III provides a listing of those targets which could be identified but not interpreted.

All three sections are arranged 1) by country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east.

For the convenience of the user, a subject index to all targets has been included following Section III. Targets in the subject index are listed 1) by category, 2) by country within each category, and 3) alphabetically by place name within each country. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix.

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The user of this MCI is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, it may be altered somewhat by additional detailed analysis.

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SECTION I

THIS SECTION PROVIDES SUMMARY INFORMATION FOR A) NEWLY IDENTIFIED TARGETS, B) PREVIOUSLY REPORTED TARGETS WHICH SHOW A CHANGE, AND C) ALL TARGETS SHOWING ORDER OF BATTLE INFORMATION.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-			25X1A	
<u>AIR INSTALLATIONS</u>				
KUN-MING AIRFIELD 3.5 NM SE OF KUN-MING. 10,650 X 220 FT NE/SW CONCRETE RUNWAY. SERVICEABLE. FACILITIES INCLUDE PARALLEL TAXIWAY NW OF RUNWAY WITH 3 CROSSOVER LINKS, DISPERSAL AREA, AND PARKING APRONS AT CENTER, NE END, AND ALONGSIDE TAXIWAY. AIRCRAFT -- 31 F4GOT/FRESCO, 4 COLT, AND 2 CRATE	2459N 10244E	0496		11-E
LIU-CHOU AIRFIELD 2 NM SSW OF LIU-CHOU. AIRFIELD SITE 60 PER CENT CLOUD COVERED. NO APPARENT CHANGE SINCE MISSION OBSERVED IN CLOUD-FREE AREAS. AIRCRAFT -- 2 CAB AND ONE CRATE.	2417N 10923E	0497		17-A
LUNG-CHI AIRFIELD 2.5 NM NORTH OF LUNG-CHI. NO APPARENT CHANGE IN FACILITIES SINCE MISSION AIRCRAFT -- 26 F4GOT/FRESCO AND ONE UNIDENTIFIED SINGLE-ENGINE STRAIGHT-WING AIRCRAFT.	2434N 11739E	0498		31-A
LIEN-CHENG AIRFIELD 2.5 NM SOUTH OF LIEN-CHENG.	2540N 11645E	0498		29

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			BE	NPIC
<p>8,000 X 200 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.</p> <p>FACILITIES INCLUDE 2 CONTROL TOWERS, 2 HANGARS, FIRING-IN BUTT, PARALLEL LOOP TAXIWAY WITH 3 PARKING APRONS, 5 ALERT APRONS, 3 CROSSOVER LINKS, AND 31 REVETTED HARDSTANDS. FOUR OCCUPIED 6-GUN AAA POSITIONS, ONE 6-GUN AAA POSITION (5 EMPLACEMENTS OCCUPIED), AND 2 OCCUPIED 4-GUN AAA POSITIONS OBSERVED.</p> <p>AIRCRAFT -- 11 FAGOT/FRESCO AND ONE COLT.</p>				
<p>CANTON/NAN-HAI AIRFIELD</p> <p>2.8 NM NNW OF NAN-HAI AND 8.1 NM WEST OF KUANG-CHOU (CANTON).</p> <p>APPROXIMATELY 7,500 X 200 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE, WITH APPROXIMATELY 1,200 FT OVERRUNS AT EACH END (CLOUD COVER OVER SSW END OF RUNWAY PRECLUDES PRECISE RUNWAY MEASUREMENTS).</p> <p>PROBABLE DETERIORATION OF SURFACE OBSERVED AT NNE END OF RUNWAY.</p> <p>FACILITIES INCLUDE PARALLEL TAXIWAY WEST OF RUNWAY, LOOP TAXIWAY WITH 31 HARDSTANDS WEST OF RUNWAY, AND 4 PARKING APRONS, ONE AT EACH END OF AND ALONG PARALLEL TAXIWAY.</p> <p>AIRCRAFT -- 31 FAGOT/FRESCO AND ONE SMALL STRAIGHT-WING SINGLE-ENGINE AIRCRAFT.</p>	2305N 11304E	0614	25X1A	2-K
<p>SHUI-KOU AIRFIELD</p> <p>11.5 NM ESE OF HUI-YANG.</p> <p>8,100 X 200 FT E/W CONCRETE RUNWAY, SERVICEABLE.</p> <p>FACILITIES INCLUDE 2 HANGARS, 20 ASSOCIATED</p>	2303N 11436E	0614	25X1A	34

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City, Installation	Coordinates	WAC	Installation Numbers	
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<p>BUILDINGS, PARALLEL TAXIWAY, 2 CROSSOVER LINKS, 4 PARKING APRONS, FIRING-IN BUTT, AND 2 DISPERSAL TAXIWAYS WITH 25 REVETTED HARDSTANDS.</p> <p>UNOCCUPIED AAA SITES OBSERVED AT NORTH, EAST, AND SOUTH SIDES OF AIRFIELD.</p> <p>AIRCRAFT -- 18 FAGOT/FRESCO.</p> <p>[REDACTED]</p>			25X1A	
<p>SWATOW AIRFIELD NORTHEAST</p> <p>APPROXIMATELY 6 NM NE OF SHAN-TOU (SWATOW). AIRFIELD SITE NOT OBSERVED DUE TO INCOMPLETE PHOTOGRAPHIC COVERAGE EXCEPT 13 REVETTED CONCRETE HARDSTANDS OBSERVED APPROXIMATELY 3 NM NW OF AIRFIELD SITE AT DISPERSAL AREA CONNECTED TO RUNWAY BY CONCRETE TAXIWAY.</p> <p>AIRCRAFT -- NONE OBSERVED.</p> <p>[REDACTED]</p>	2325N 11645E	0614		37-A
<p>HAI-KOU AIRFIELD</p> <p>ONE NM SOUTH OF HAI-KOU.</p> <p>AIRFIELD SITE 90 PER CENT CLOUD COVERED, PRECLUDING INTERPRETATION OF RUNWAY DIMENSIONS OR FACILITIES.</p> <p>AIRCRAFT -- 21 PROBABLE FAGOT/FRESCO OBSERVED IN CLOUD-FREE AREAS.</p> <p>[REDACTED]</p>	2001N 11021E	0615		6-A
<p>NAN-NING AIRFIELD SOUTH</p> <p>15 NM SW OF NAN-NING.</p> <p>NE/SW CONCRETE RUNWAY, SERVICEABLE (DIMENSIONS UNDETERMINED DUE TO INCOMPLETE PHOTOGRAPHIC COVERAGE).</p> <p>FACILITIES, NORTH OF RUNWAY, INCLUDE PARALLEL TAXIWAY, POSSIBLY STILL UNDER CONSTRUCTION,</p>	2236N 10810E	0615		14-D

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City, Installation	Coordinates	WAC	Installation Numbers	
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AND PARKING APRON. AIRCRAFT -- 2 PROBABLE CAB AND ONE PROBABLE COACH/CRATE. [REDACTED]			25X1A	
NAN-NING AIRFIELD EAST EDGE OF NAN-NING. 4,600 X 150 FT E/W GRADED EARTH RUNWAY, SERVICEABLE. FACILITIES INCLUDE PASSENGER TERMINAL AND 2 ASSOCIATED BUILDINGS. AIRCRAFT -- NONE OBSERVED. [REDACTED]	2249N 10820E	0615	[REDACTED]	14-C
MENG-TZU AIRFIELD WEST 6 NM WNW OF MENG-TZU ON SE SHORE OF TA-TUN HAI (LAKE). 7,700 X 165 FT NW/SE CONCRETE RUNWAY, SERVICEABLE. NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] EXCEPT 5 UNOCCUPIED 6-GUN AAA SITES AND NEW EW RADAR SITE OBSERVED. AIRCRAFT -- 36 FRESCO. [REDACTED]	2324N 10319E	0616	[REDACTED]	7-C
<u>MILITARY/NAVAL INSTALLATIONS</u> PO-HSI-CHIEH AREA, MILITARY INSTALLATION 2 NM NNE OF PO-HSI-CHIEH. INSTALLATION CONTAINS APPROXIMATELY 225 BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE, AND SUPPORT TYPES. [REDACTED]	2415N 10306E	0496		20-A

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City, Installation	Coordinates	WAC	Installation Numbers	
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I-LIANG ARMY BARRACKS SOUTH NO 1 2.5 NM SOUTH OF I-LIANG. PARTIALLY SECURED, PROBABLY OCCUPIED BARRACKS AREA CONTAINS 72 BARRACKS, 18 ADMINISTRATIVE- TYPE BUILDINGS, 45 STORAGE/SUPPORT BUILDINGS, AND PROBABLE SMALL ARMS FIRING RANGE. NO VEHICLES, EQUIPMENT, OR NEW CONSTRUCTION OBSERVED.	2454N 10309E	0496	25X1A	29
I-LIANG ARMY BARRACKS NORTH 6 NM NNE OF I-LIANG. INSTALLATION COMPRISES APPROXIMATELY 350 BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE, STORAGE, AND SUPPORT TYPES, FIRING RANGE, AND TRAINING AREA WITH NUMEROUS TRENCH SYSTEMS.	2500N 10311E	0496		29-B
CHANG-PU AREA, MILITARY ACTIVITY OLD, UNOCCUPIED FORTIFICATIONS OBSERVED EAST AND NW OF CHANG-PU. NO OTHER MILITARY ACTIVITY OBSERVED.	2407N 11736E	0498		9-A
HSIA-MEN TAO, COASTAL ARTILLERY EMPLACEMENTS NUMEROUS GUN POSITIONS, STRONGPOINTS, FORTIFICATIONS, AND INTERCONNECTING TRENCH- WORKS OBSERVED ALONG EAST COAST OF HSIA-MEN TAO (ISLAND).	2427N 11810E	0498		1-B
YUNG-AN AMMUNITION DEPOT 2 NM SE OF YUNG-AN. ROAD-SERVED, FENCED DEPOT CONTAINS 26 REVETTED	2557N 11722E	0498	25X1A	52

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<p>STORAGE BUILDINGS. BARRACKS AREA AT SE CORNER OF FENCED DEPOT CONTAINS 8 BARRACKS, ONE MESS HALL, AND ONE T-SHAPED ADMINISTRATIVE AND 6 MISCELLANEOUS SUPPORT BUILDINGS.</p>				
<p>SHA-CHIAO AREA, MILITARY BARRACKS AREA .5 NM SOUTH OF SHA-CHIAO. MILITARY AREA CONTAINS APPROXIMATELY 30 BARRACKS-TYPE AND APPROXIMATELY 25 ADMINISTRATIVE/SUPPORT BUILDINGS. TRAINING AREA OBSERVED IMMEDIATELY SOUTH OF CAMP.</p>	2246N 11340E	0614		80
<p>CHANG-MU-TOU ARMY BARRACKS WEST AT CHANG-MU-TOU. INSTALLATION, COMPRISING 4 SEPARATE BARRACKS AREAS AND TRANSLOADING POINT, CONTAINS A TOTAL OF APPROXIMATELY 120 BARRACKS AND 50 BARRACKS/SUPPORT-TYPE, 12 ADMINISTRATIVE, AND 170 OTHER BUILDINGS.</p>	2253N 11401E	0614	25X1A	28-I
<p>MA-LING, MILITARY INSTALLATION AT MA-LING AND 12.5 NM SW OF HUI-YANG. INSTALLATION CONTAINS APPROXIMATELY 100 BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE, AND STORAGE TYPES. TRAINING AREA OBSERVED ON NE EDGE OF INSTALLATION.</p>	2257N 11411E	0614		28-B
<p>KAO-PU-TZU, MILITARY AREA AT KAO-PU-TZU AND 8.5 NM SW OF HUI-YANG.</p>	2259N 11418E	0614		28-C

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<p>MILITARY AREA COMPRISES LARGE DRIVER TRAINING AREA AND 2 SEPARATE BARRACKS AREAS CONTAINING A TOTAL OF 62 BARRACKS AND 8 ADMINISTRATIVE, APPROXIMATELY 73 STORAGE, 18 SUPPORT, AND 12 PROBABLE AMMUNITION STORAGE BUILDINGS. NUMEROUS TRENCHES, EMBLACEMENTS, AND REVETMENTS AND EXTENSIVE TRACK ACTIVITY OBSERVED THROUGHOUT AREA. NO VEHICLES OBSERVED.</p> <p>[REDACTED]</p>	2258N 11524E	0614		69-A
<p>HAI-FENG AREA, MILITARY BARRACKS AREA 1.5 NM EAST OF HAI-FENG. AREA CONTAINS 49 BARRACKS AND ONE LARGE ADMINISTRATIVE AND 16 SMALLER SUPPORT BUILDINGS. PROBABLE TRAINING AREA OBSERVED ON EAST EDGE OF INSTALLATION.</p> <p>[REDACTED]</p>	2302N 11420E	0614		1
<p>AO-HSIA, MILITARY BARRACKS AND STORAGE AREA AT AO-HSIA AND 5 NM SW OF HUI-YANG. BARRACKS AND STORAGE AREA CONTAINS 17 LARGE WAREHOUSE-TYPE, APPROXIMATELY 60 BARRACKS/SUPPORT-TYPE, AND ONE LARGE ADMINISTRATIVE BUILDING. LARGE TRAINING AREA, APPROXIMATELY ONE NM NW OF BARRACKS AND STORAGE AREA, CONTAINS SEVERAL TRENCH NETWORKS, PROBABLE MACHINEGUN REVETMENTS, AND UNDERGROUND SHELTERS.</p> <p>[REDACTED]</p>	2331N 11644E	0614		37-V4
<p>HSIA-KENG, MILITARY BARRACKS AREA IMMEDIATELY WEST OF HSIA-KENG. BARRACKS AREA FIRST REPORTED [REDACTED]</p>				

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<p>[REDACTED] APPEARS TO BE NON-MILITARY AREA WITH 15 STORAGE/SUPPORT BUILDINGS.</p> <p>PU-TOU-FDU ARMY BARRACKS 7 NM SE OF CHAO-AN. BARRACKS AREA CONTAINS A TOTAL OF APPROXIMATELY 45 BUILDINGS, INCLUDING BARRACKS AND SUPPORT TYPES. NO VEHICLES OBSERVED.</p>	2339N 11647E	0614	25X1A	37-V
<p>CHAO-AN ARMY BARRACKS NORTHWEST ONE NM NW OF CHAO-AN. BARRACKS AREA CONTAINS 95 BARRACKS, 12 ADMINISTRATIVE BUILDINGS, APPROXIMATELY 65 STORAGE/SUPPORT BUILDINGS, NUMEROUS TRENCHES, AND 5 CARGO TRUCKS. TRAINING AREA OBSERVED AT NORTH EDGE OF BARRACKS AREA.</p>	2340N 11638E	0614		37-U6
<p>CHAO-AN ARMY BARRACKS EAST 2.5 NM ENE OF CHAO-AN. BARRACKS AREA CONTAINS A TOTAL OF APPROXIMATELY 115 BARRACKS/SUPPORT-TYPE AND ONE ADMINISTRATIVE BUILDING. NO VEHICLES OBSERVED.</p>	2340N 11641E	0614		37-U7
<p>CHANG-CHI ARMY BARRACKS SOUTH 14 NM EAST OF CHAO-AN. BARRACKS AREA CONTAINS 57 BARRACKS, 7 ADMINISTRATIVE BUILDINGS, APPROXIMATELY 45 SUPPORT/STORAGE BUILDINGS, AND APPROXIMATELY</p>	2343N 11652E	0614		37-U8

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<p>10 UNIDENTIFIED VEHICLES. TWO TRAINING AREAS OBSERVED, ONE ON NW EDGE AND THE OTHER ON EAST EDGE OF BARRACKS AREA. NUMEROUS TRENCHES OBSERVED THROUGHOUT AREAS.</p> <p>[REDACTED]</p> <p>CHIUNG-SHAN AREA, MILITARY BARRACKS TWO BARRACKS AREAS IN CHIUNG-SHAN VICINITY.</p> <p>AREA A (SW EDGE OF CHIANG-SHAN) -- 28 BARRACKS AND 30 MISCELLANEOUS BUILDINGS.</p> <p>AREA B (APPROXIMATELY 1.5 NM SW OF CHIANG-SHAN) -- 30 BARRACKS AND AT LEAST 26 MISCELLANEOUS BUILDINGS.</p> <p>[REDACTED]</p> <p>HAI-KOU AREA, PORT AND NAVAL BASE APPROXIMATELY 4 NM WSW OF HAI-KOU. PORT AND NAVAL BASE COMPRISE 2 LONG BREAKWATERS (ONE ON EAST SIDE OF HARBOR AND THE OTHER APPROXIMATELY PARALLEL TO SHORE), ROAD-SERVED T-HEAD PIER ON WEST SIDE OF HARBOR, AND QUAY AND SEVERAL SMALL PIERS EAST OF T-HEAD PIER. APPROXIMATELY 20 CARGO TRUCKS OBSERVED ON T-HEAD PIER. VESSELS -- 3 PROBABLE COASTAL FREIGHTERS AND NUMEROUS SMALL CRAFT.</p> <p>[REDACTED]</p> <p>CHAN-CHIANG NAVAL BASE EAST EDGE OF CHAN-CHIANG. NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] OBSERVED IN CLOUD-FREE AREAS.</p>	<p>2000N 11020E</p> <p>2001N 11016E</p> <p>2112N 11025E</p>	<p>0615</p> <p>0615</p> <p>0615</p>	<p>25X1A</p> <p>[REDACTED]</p>	<p>4-A</p> <p>6-C</p> <p>1-D</p>

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<p>25X1D [REDACTED]</p> <p>VESSLS -- 3 LARGE FREIGHTERS, ONE TANKER, 2 SMALLER COASTAL FREIGHTERS, AND 4 PROBABLE COASTAL FREIGHTERS.</p>				
<p>25X1D [REDACTED]</p> <p>TUNG-LO AREA, MILITARY DEPOT/BARRACKS NO MILITARY ACTIVITY OBSERVED IN AREA. DEPOT/BARRACKS AREAS PREVIOUSLY REPORTED IN</p> <p>25X1D [REDACTED] ARE APPARENTLY</p> <p>25X1D [REDACTED] WORKERS HOUSING AREAS.</p>	2224N 10741E	0615		32
<p>25X1D [REDACTED]</p> <p>NIU-TSA AREA, BARRACKS AREA 3.5 NM NORTH OF NUI-TSA. BARRACKS AREA CONTAINS 5 MESS HALLS AND 25 BARRACKS-TYPE AND APPROXIMATELY 20 SMALL SUPPORT BUILDINGS.</p>	2259N 10224E	0616		40-A
<p>25X1D [REDACTED]</p> <p>HO-KOU AREA, MILITARY CAMP 1.5 NM NORTH OF HO-KOU. CAMP CONTAINS 2 MESS HALLS, AND 11 BARRACKS-TYPE, ONE T-SHAPED AND ONE OTHER ADMINISTRATIVE, AND APPROXIMATELY 10 SUPPORT BUILDINGS. STORAGE AREA IMMEDIATELY NORTH OF CAMP CONTAINS 7 BUILDINGS.</p>	2232N 10357E	0616		26
<p>25X1D [REDACTED]</p> <p>NA-FA-TUI-HSUN AREA, BARRACKS AREA 4.5 NM WNW OF NA-FA-TUI-HSUN. SMALL BARRACKS AREA CONTAINS 4 BARRACKS, ONE MESS HALL, AND ONE ADMINISTRATIVE AND APPROXIMATELY 10 SUPPORT BUILDINGS.</p>	2238N 10305E	0616		49
25X1D [REDACTED]				

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MA-KUAN AREA, BARRACKS AREA 1.8 NM SE OF MA-KUAN. PARTIALLY SECURED AREA CONTAINS 8 BARRACKS, 2 MESS HALLS, AND ONE ADMINISTRATIVE AND ONE SUPPORT BUILDING.	2259N 10425E	0616		23-A
MENG-TZU ARMY BARRACKS SOUTH WEST AND SW EDGE OF MENG-TZU. BARRACKS AREA CONTAINS APPROXIMATELY 300 BARRACKS AND APPROXIMATELY 75 SUPPORT AND 8 ADMINISTRATIVE BUILDINGS.	2322N 10323E	0616	25X1A	7-B
KAI-YUAN, MILITARY INSTALLATION IMMEDIATELY NORTH OF KAI-YUAN. MILITARY INSTALLATION CONTAINS 55 BARRACKS- TYPE AND APPROXIMATELY 50 STORAGE/SUPPORT BUILDINGS AND MOTOR POOL.	2342N 10314E	0616		12
TIEN-PENG, MILITARY BARRACKS AREA .6 NM ENE OF TIEN-PENG AND 1.1 NM ENE OF NORTH VIETNAM-CHINA BORDER. SMALL MILITARY AREA CONTAINS 4 BARRACKS AND ONE ADMINISTRATIVE, ONE ADMINISTRATIVE/ SUPPORT, AND AT LEAST 3 SUPPORT BUILDINGS.	2318N 10527E	0616		21-A
TUNG-KAN AREA, PROB MILITARY INSTALLATION .5 NM WNW OF TUNG-KAN. PROBABLE MILITARY INSTALLATION CONTAINS 15 BARRACKS-TYPE AND APPROXIMATELY 15 ASSOCIATED SUPPORT BUILDINGS.	2321N 10509E	0616		18

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<div data-bbox="159 982 402 1041"></div> CHING-HSI AREA, BARRACKS AREA ONE NM NE OF CHING-HSI. SMALL BARRACKS AREA CONTAINS 13 BARRACKS, 12 SUPPORT BUILDINGS, AND ATHLETIC FIELD. ROAD-CONNECTED SMALL SUPPORT AREA, .3 NM EAST OF BARRACKS AREA, CONTAINS 4 STORAGE-TYPE BUILDINGS	2309N 10625E	0616		20-A
<div data-bbox="159 1234 555 1281"></div> <u>ELECTRONICS/COMMUNICATIONS</u> KUN-MING AREA, MF COMMUNICATIONS STATION 5 NM NNE OF KUN-MING. SMALL MF COMMUNICATIONS STATION COMPRISES ONE GUY-WIRE SUPPORTED, VERTICAL, LATTICE RADIATOR AND SMALL SECURED SUPPORT AREA WITH ONE PROBABLE CONTROL BUILDING AND 2 OTHER BUILDINGS	2507N 10245E	0496		11-L2
<div data-bbox="133 1516 555 1566"></div> LU-FENG AREA, PROB ELECTRONICS INSTALLATION 13.5 NM NW OF LU-FENG. INSTALLATION WITH AT LEAST 6 SEPARATE AREAS OBSERVED THROUGH SCATTERED CLOUDS. TWO AREAS HAVE IDENTICAL CONFIGURATIONS AND EACH CONTAINS 4 PROBABLE ELECTRONIC TOWERS AND 4 ASSOCIATED PROBABLE ELECTRONIC VANS. SUPPORT AREA CONTAINS 5 BARRACKS-TYPE AND 2 SUPPORT BUILDINGS, AND ANOTHER AREA CONTAINS 9-GUN PROBABLE AAA POSITION. ONE UNIDENTIFIED AREA CONTAINS SUPPORT BUILDING AND 5 PROBABLE REVETTED ELECTRONIC-TYPE VANS, AND ANOTHER UNIDENTIFIED AREA CONTAINS 4 SMALL AND 2 LARGE	2305N 11527E	0614		56-A

25X1

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25X1D

QUONSET-TYPE BUILDINGS.

PEI-HU-TSUN EW RADAR SITE
 3.5 NM WNW OF NAN-NING.
 PARTIALLY ENTRENCHED EARLY WARNING RADAR SITE,
 SITUATED ON SMALL HILLTOP, COMPRISES SCR-270
 RADAR, POSSIBLE ROCK CAKE RADAR, 4 STICK
 MASTS, AND 3 CONTROL BUILDINGS.

25X1D

MENG-TZU AIRFIELD WEST, EW RADAR SITE
 1.2 NM NE OF MENG-TZU AIRFIELD WEST.
 SITE CONTAINS ONE SCR-270-TYPE RADAR,
 GENERATOR TRUCK, AND PROBABLE CONTROL
 BUILDING.
 POSSIBLE SUPPORT AREA UNDER CONSTRUCTION
 CONTAINING 8 BUILDINGS OBSERVED IMMEDIATELY
 NORTH OF RADAR SITE.

25X1D

INDUSTRY

KUN-YANG AREA, INDUSTRIAL COMPLEX
 8 NM NORTH OF KUN-YANG.
 INDUSTRIAL COMPLEX COMPRISES 5 SMALL
 UNIDENTIFIED INDUSTRIAL AREAS, ONE ORE
 PROCESSING PLANT, AND SEVERAL WORKERS
 HOUSING AREAS.
 UNIDENTIFIED INDUSTRY OBSERVED 2.5 NM NORTH OF
 KUN-YANG.

25X1D

TSAO-CHIAO-TSUN AREA, PROB ORE PROC INDUSTRY
 LARGE MINING COMPLEX, EXTENDING NORTH FROM

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QUONSET-TYPE BUILDINGS.	2250N 10815E	0615		33
PEI-HU-TSUN EW RADAR SITE 3.5 NM WNW OF NAN-NING. PARTIALLY ENTRENCHED EARLY WARNING RADAR SITE, SITUATED ON SMALL HILLTOP, COMPRISES SCR-270 RADAR, POSSIBLE ROCK CAKE RADAR, 4 STICK MASTS, AND 3 CONTROL BUILDINGS.	2325N 10321E	0616		7-D
MENG-TZU AIRFIELD WEST, EW RADAR SITE 1.2 NM NE OF MENG-TZU AIRFIELD WEST. SITE CONTAINS ONE SCR-270-TYPE RADAR, GENERATOR TRUCK, AND PROBABLE CONTROL BUILDING. POSSIBLE SUPPORT AREA UNDER CONSTRUCTION CONTAINING 8 BUILDINGS OBSERVED IMMEDIATELY NORTH OF RADAR SITE.	2447N 10235E	0496		28
INDUSTRY KUN-YANG AREA, INDUSTRIAL COMPLEX 8 NM NORTH OF KUN-YANG. INDUSTRIAL COMPLEX COMPRISES 5 SMALL UNIDENTIFIED INDUSTRIAL AREAS, ONE ORE PROCESSING PLANT, AND SEVERAL WORKERS HOUSING AREAS. UNIDENTIFIED INDUSTRY OBSERVED 2.5 NM NORTH OF KUN-YANG.	2459N 10301E	0496		23
TSAO-CHIAO-TSUN AREA, PROB ORE PROC INDUSTRY LARGE MINING COMPLEX, EXTENDING NORTH FROM				

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			BE	NPIC
<p>TSAO-CHIAO-TSUN AND APPROXIMATELY 8 SQ MI IN AREA, COMPRISES SEVERAL OPEN PIT WORKS WITH ASSOCIATED PROCESSING, ADMINISTRATIVE, AND HOUSING AREAS.</p> <p>NO MINING ACTIVITY OBSERVED IN CLOUD-FREE AREAS ON WEST SIDE OF YANG-TSUNG HAI (LAKE).</p>				
<p>LIU-CHOU AREA, CEMENT PLANT 8.5 NM WNW OF LIU-CHOU.</p> <p>SECURED, RAIL-SERVED PLANT CONTAINS ROTARY KILN, SILOS, MIXING/SETTLING TANK, AND APPROXIMATELY 20 ASSOCIATED BUILDINGS. MINE OBSERVED APPROXIMATELY ONE NM NE OF PLANT, AND HOUSING AREA OBSERVED IMMEDIATELY EAST OF PLANT.</p>	2422N 10915E	0497		17-D
<p>PAI-CHIAO, PROBABLE ORE SMELTER & CONCEN PLANT ONE NM ESE OF PAI-CHIAO.</p> <p>NO APPARENT CHANGE IN FACILITIES SINCE MISSION</p>	2428N 11758E	0498		77
<p>SMALL BRIDGE OR CULVERT WEST OF PLANT OUT OF SERVICE SEVERING RAILROAD SPUR CONNECTION TO PLANT.</p>				
<p>MAO-MING SHALE OIL PLANT 14.5 NM ENE OF HUA-HSIEN.</p> <p>ONLY NORTHERN SECTOR OF PROBABLY LARGE PLANT AREA (SIZE UNDETERMINED) VISIBLE DUE TO INCOMPLETE PHOTOGRAPHIC COVERAGE.</p> <p>PLANT APPARENTLY IN LATE STAGES OF CONSTRUCTION WITH SMOKE EMITTING FROM ONE STACK AT SHALE OIL RETORT, INDICATING</p>	2141N 11054E	0615	25X1A	13-A

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			BE	NPIC
<p>PROBABLE LIMITED OPERATION. EXTENSIVE STRIP MINING ACTIVITY OBSERVED NORTH AND NW OF PLANT.</p> <p>[REDACTED]</p>	2328N 10315E	0616		7-A
<p>MENG-TZU AREA, MINING-PROCESSING ACTIVITY WEST AND NW OF MENG-TZU. LARGE, NON-FERROUS MINING AND PROCESSING COMPLEX COMPRISES MINES (23-22N 103-16E), ORE PROCESSING (23-23N 103-17E), HEAT PROCESSING (23-28N 103-17E), SMELTER (23-30N 103-16E), AND RAILROAD SPUR (23-27N 103-19E TO 23-19N 103-12E), ALL UNDER CONSTRUCTION. CONSTRUCTION ACTIVITY IS VERY SLIGHT AND POSSIBLY SUSPENDED. INDUSTRIAL PLANTS ARE NOT IN OPERATION.</p> <p>[REDACTED]</p>	2349N 10312E	0616		47
<p>CHUANG-HU AREA, MINING COMPLEX AT CHUANG-HU AND 7 NM NNW OF KAI-YUAN. MINING COMPLEX, 4 SQ MI IN AREA, CONTAINS OPEN-PIT MINES ON BOTH SIDES OF NAN-PAN CHIANG (RIVER), 5-TRACK CLASSIFICATION YARD, NUMEROUS RAILROAD SPURS, PROCESSING PLANTS, HOUSING/SUPPORT BUILDINGS, AND NUMEROUS BUILDINGS IN MID-STAGE OF CONSTRUCTION IN NW SECTION OF COMPLEX.</p> <p>[REDACTED]</p>	2411N 10256E	0496		37
<p><u>BASIC SERVICES</u></p> <p>HUA-NING--HUNG-CHI-CHEN, ROAD TWO-LANE, SERVICEABLE, GRAVEL ROAD, ORIENTED GENERALLY E/W, OBSERVED FROM HUA-NING (24-11N 102-56E) TO HUNG-CHI-CHEN</p>				

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City, Installation	Coordinates	WAC	Installation Numbers	
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(24-09N 103-03E). [REDACTED]				
KUN-MING AREA, HYDRO POWER SYSTEM 15 NM SW OF KUN-MING. SMALL HYDRO-ELECTRIC POWER PLANT OBSERVED ON HAI-KOU HO (RIVER). SCATTERED-TO-HEAVY CLOUDS PRECLUDE OBSERVATION OF PREVIOUSLY REPORTED PLANTS [REDACTED]	2451N 10231E	0496		11-W
LING-YUN AREA, ROAD IMPROVEMENT NEWLY IMPROVED, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING NORTH THROUGH MOUNTAINOUS TERRAIN FROM LING-YUN TO CHIA-YU-HSU (24-29N 106-38E) AND EXTENDING NW FROM CHIA-YU-HSU TO LUNG-TIEN (24-36N 106-29E) [REDACTED]	2421N 10634E	0496		38-B
CHIA-YU-HSU AREA, ROAD IMPROVEMENT NEWLY IMPROVED, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING ENE FROM 24-29N 106-38E TO 24-34N 106-49E. [REDACTED]	2429N 10638E	0496		38
CHIA-YU-HSU AREA, ROAD NEW, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING SSE FROM 24-32N 106-45E TO 24-24N 106-49E. [REDACTED]	2432N 10645E	0496		38-A
KUN-MING--LAO KAY, RAILROAD LINE RAILROAD LINE OBSERVED FROM 24-57N 102-56E TO LIMIT OF PHOTOGRAPHIC COVERAGE AT 23-11N 103-43E. ITEMS OF INTEREST AND LOCATIONS ARE AS FOLLOWS --	2504N 10241E	0496		11-M

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<p>TRAIN MOVING SOUTH AT 24-23N 103-06E WITH 15 GONDOLA/BOX CARS, TRAIN MOVING SOUTH AT 24-12N 103-08E WITH 16 GONDOLA/BOX CARS, TRAIN MOVING SOUTH AT 23-30N 103-25E WITH ONE BOX AND 14 GONDOLA CARS, RAILROAD YARD AT 24-57N 102-57E WITH 5 TRACKS AND 6 GONDOLA AND 4 BOX CARS, RAILROAD YARD AT 24-59N 103-01E WITH 4 TRACKS AND 12 PROBABLE GONDOLA CARS, RAILROAD YARD AT 24-58N 103-04E WITH 5 TRACKS AND 16 GONDOLA AND ONE BOX CAR, REPAIR YARD AT 24-55N 103-08E WITH 6 TRACKS, 13 GONDOLA CARS, 38 BOX CARS, AND 6 LOCOMOTIVES, RAILROAD YARD AT 24-51N 103-08E WITH 3 TRACKS AND ONE GONDOLA CAR, RAILROAD YARD AT 24-48N 103-08E WITH 2 TRACKS AND 8 GONDOLA AND 9 PROBABLE GONDOLA CARS, RAILROAD YARD AT 24-25N 103-04E WITH 2 TRACKS AND 13 PROBABLE GONDOLA CARS, RAILROAD YARD AT 24-14N 103-06E WITH 4 TRACKS AND 2 GONDOLA AND 12 BOX CARS, RAILROAD YARD AT 24-00N 103-10E WITH 4 TRACKS AND 9 FLAT AND 4 GONDOLA CARS, RAILROAD YARD AT 23-52N 103-11E WITH 3 TRACKS AND 3 BOX, 9 GONDOLA, AND ONE FLAT CAR, RAILROAD YARD AT 23-52N 103-11E WITH ONE TRACK AND 3 BOX AND 9 FLAT CARS, RAILROAD YARD (COAL MINING OPERATION) AT CHUANG-HU AND 23-49N 103-11E WITH 3 TRACKS AND 23 GONDOLA CARS, KAI-YUAN COMPLEX RAILROAD YARDS AT 23-42N 103-14E WITH 300 GONDOLA/FLAT/BOX CARS, AND LAO-MI-TA-TI RAILROAD YARDS AND SHOPS AT 23-15N 103-22E WITH 12 STEAM ENGINES AND ONE CABOOSE.</p> <p>I-SHAN AREA, RAILROAD UNDER CONSTRUCTION RAILROAD LINE UNDER CONSTRUCTION OBSERVED FROM</p>	2428N 10857E	0497		36-A

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24-33N 108-55E TO 24-28N 108-57E. [REDACTED] HAN-KOU AREA, RAILROAD SPUR U/C NEW, DOUBLE-TRACK RAILROAD SPUR UNDER CONSTRUCTION OBSERVED EXTENDING SOUTH FROM STARTING POINT AT SMALL RAILROAD YARD (25-15N 117-31E) TO HAN-KOU AND FROM HAN-KOU EXTENDING ENE 9.8 NM TO LIMITS OF PHOTOGRAPHY IN HOU-PING-SHAN VICINITY (25-17N 117-41E). [REDACTED]	2513N 11732E	0498		113
TUNG-LO AREA, RAILROAD SPUR APPARENTLY SERVICEABLE RAILROAD LINE OBSERVED FROM 22-29N 107-46E TO END OF LINE AT 22-24N 107-41E. RAILROAD LINE PROBABLY SERVES MINING OPERATION AT SITE OF PREVIOUSLY REPORTED TUNG-LO AREA, MILITARY DEPOT/BARRACKS [REDACTED]	2224N 10741E	0615		32-A
LIU-CHOU--VAN-NING--DONG DANG--LANG SON, RR OPERATIONAL RAILROAD LINE OBSERVED FROM 22-46N 108-06E TO 22-50N 108-24E AND FROM 22-06N 106-52E TO 22-32N 107-43E. ON SEGMENT FROM 22-06N 106-52E TO 22-32N 107-43E, 2 MOVING TRAINS OBSERVED, ONE COMPRISING ENGINE AND 3 UNIDENTIFIED CARS AT 22-07N 107-00E HEADING WEST TOWARD CHINA-NORTH VIETNAM BORDER AND THE OTHER COMPRISING ENGINE, 10 PROBABLE BOX CARS, AND 3 PROBABLE GONDOLA CARS AT 22-11N 107-06E HEADING EAST AWAY FROM CHINA-NORTH VIETNAM BORDER. ON SEGMENT FROM 22-46N 108-06E TO 22-50N 108-24E, 63 PASSENGER CARS, 33 FREIGHT CARS,	2249N 10819E	0615		14-E

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49 TANK CARS, AND 56 GONDOLA CARS OBSERVED IN NAN-NING RAILROAD CLASSIFICATION YARD, AND APPROXIMATELY 14 UNIDENTIFIED CARS OBSERVED ON SMALL SIDING AT 22-45N 108-11E. [REDACTED]				
CHINA-LAOS-NORTH VIETNAM, BORDER APPROXIMATELY .5 NM OF ROAD CONSTRUCTION ORIENTED GENERALLY E/W OBSERVED FROM APPROXIMATELY 22-44N 101-54E TO 22-47N 101-46E. [REDACTED]	2225N 10208E	0616		5-H
LUNG-TUNG--KOU-CHIEH-TZU AREA, ROAD NEW ROAD, ORIENTED GENERALLY N/S, OBSERVED FROM APPROXIMATELY 3 NM NE OF LUNG-TUNG (22-27N 102-47E) TO LIMIT OF PHOTOGRAPHIC COVERAGE AT 23-30N 102-50E. ROAD APPEARS COMPLETED EXCEPT FOR SEGMENT UNDER CONSTRUCTION FROM 22-57N 102-47E TO 23-12N 102-51E. [REDACTED]	2257N 10247E	0616		50
MI-HU--LAOS BORDER, ROAD NO CONVOYS OR CONSTRUCTION ACTIVITY APPARENT ON ROAD OBSERVED FROM MI-HU TO CHINA-NORTH VIETNAM BORDER AND FROM THERE TO APPROXIMATELY 19 NM SOUTH OF BORDER AT BAN PA XA (NORTH VIETNAM). [REDACTED]	2250N 10315E	0616		13-A

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			BE	NPIC
<p>YANG-WU-PA AREA, ROADS</p> <p>APPARENTLY NEW, 2-LANE, GRAVEL ROAD EXTENDING GENERALLY EAST FROM YANG-WU-PA OBSERVED FROM YANG-WU-PA FOR APPROXIMATELY 12 NM TO 23-52N 102-20E.</p> <p>TWO APPARENTLY NEW, 2-LANE, GRAVEL ROADS EXTENDING GENERALLY NORTH FROM YANG-WU-PA OBSERVED, ONE FROM YANG-WU-PA FOR APPROXIMATELY 12 NM TO 24-05N 102-11E AND THE OTHER FROM YANG-WU-PA FOR APPROXIMATELY 13 NM TO 24-04N 102-03E.</p>	2355N 10209E	0616		46
<p>NIU-PENG--TU-MA-CHAI, ROAD</p> <p>TWO-LANE GRAVEL ROAD OBSERVED EXTENDING SW FROM NIU-PENG (23-00N 103-25E) TO TU-MA-CHAI (22-56N 103-15E).</p> <p>THREE-SPAN HIGHWAY BRIDGE UNDER CONSTRUCTION OBSERVED ACROSS THE YUAN CHIANG (RED RIVER) AT 23-01N 103-20E.</p>	2300N 10325E	0616		48
<p>WEN-SHAN AREA, IMPROVED ROAD</p> <p>NEWLY IMPROVED, 2-LANE, GRAVEL ROAD EXTENDS FROM 23-23N 104-12E (2.5 NM WNW OF WEN-SHAN) TO 23-15N 104-06E (10.5 NM SW OF WEN-SHAN).</p>	2308N 10412E	0616		27-B
<p>NA-LUNG--CHOU-YANG, ROAD</p> <p>APPARENTLY COMPLETED, ALL-WEATHER, SINGLE-LANE, PROBABLY CRUSHED ROCK ROAD, ORIENTED GENERALLY E/W, OBSERVED FROM VICINITY OF NA-LUNG (23-14N 104-57E) TO WHERE IT JOINS WEN-SHAN--HA GIANG (NORTH VIETNAM) ROAD IN</p>	2314N 10457E	0616		17

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<p>VICINITY OF TUNG-CHAN (23-13N 104-39E). NO VEHICLES OBSERVED. SINGLE-LANE, 3-SPAN, DECK-TYPE HIGHWAY BRIDGE OBSERVED ACROSS UNNAMED STREAM 4 NM WSW OF NA-LUNG AT 23-13N 104-54E, AND ANOTHER SINGLE-LANE BRIDGE OF UNDETERMINED LENGTH OBSERVED ACROSS CHOU-YANG-TA CHIANG (RIVER) IMMEDIATELY SOUTH OF TUNG-CHAN AT 23-13N 104-39E.</p> <p>[REDACTED]</p>				
<p>FU-NING--TIEN-PENG, ROAD NEW, COMPLETED, PROBABLE 2-LANE, ALL-WEATHER, CRUSHED ROCK ROAD EXTENDING GENERALLY SSW FROM FU-NING (23-37N 105-37E) OBSERVED FOR APPROXIMATELY 30 NM TO TIEN-PENG (23-18N 105-27E), APPROXIMATELY .5 NM EAST OF THE NORTH VIETNAM-CHINA BORDER.</p> <p>[REDACTED]</p>	2337N 10537E	0616		21
<p>PA-YAO AREA, DAM UNDER CONSTRUCTION ONE NM SW OF PA-YAO. LARGE EARTH-FILL DAM IN LATE STAGES OF CONSTRUCTION WITH SPILLWAY UNDER CONSTRUCTION AT EAST END OBSERVED.</p> <p>[REDACTED]</p>	2319N 10619E	0616		19
<p>STORAGE</p> <p>KUN-MING AREA, STORAGE FACILITIES 4 NM EAST OF KUN-MING. TWO ADJACENT SECURED STORAGE AREAS OBSERVED, ONE WITH 12 VERTICAL STORAGE TANKS, 8 ASSOCIATED BUILDINGS, AND OPEN STORAGE, AND THE OTHER WITH 2 SMALL REVETTED AND 7</p>	2502N 10247E	0496		11-Q1

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				BE	NPIC
25X1D	<p>ASSOCIATED BUILDINGS.</p> <p>[REDACTED]</p> <p>TSAO-CHIAO-TSUN AREA, EXPLOSIVES STORAGE 4 NM NNE OF TSAO-CHIAO-TSUN. ROAD-SERVED EXPLOSIVES STORAGE AREA CONTAINS 11 STORAGE BUILDINGS AND ONE ADMINISTRATIVE/ SUPPORT BUILDING.</p>	2503N 10303E	0496		23-A
25X1D	<p>[REDACTED]</p> <p>YANG-LIN AREA, POL STORAGE 4.5 NM EAST OF YANG-LIN. RAIL-SERVED STORAGE AREA CONTAINS 20 SEMIBURIED TANKS. SUPPORT AREA OBSERVED IMMEDIATELY NORTH OF STORAGE AREA.</p>	2513N 10308E	0496		17-A
25X1D	<p>[REDACTED]</p> <p>LIU-CHOU AREA, EXPLOSIVES STORAGE AREA NO 2 6 NM WNW OF LIU-CHOU. SECURED EXPLOSIVES STORAGE AREA CONTAINS 11 REVIEWED STORAGE AND 16 UNREVIEWED STORAGE BUILDINGS. SUPPORT AREA WITH 12 BUILDINGS OBSERVED IMMEDIATELY NORTH OF STORAGE AREA.</p>	2421N 10918E	0497		17-C
25X1D	<p>[REDACTED]</p> <p>LIU-CHOU AREA, EXPLOSIVES STORAGE AREA NO 1 14 NM WNW OF LIU-CHOU. SECURED EXPLOSIVES STORAGE AREA CONTAINS 6 STORAGE BUILDINGS.</p>	2425N 10909E	0497		17-B
25X1D	<p>[REDACTED]</p> <p>SHU-CHANG, PROBABLE SUPPLY AND STORAGE AREAS AREA A (WEST EDGE OF SHU-CHANG AND .5 NM SOUTH</p>	2001N 11018E	0615		6-D

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<p>OF HAI-KOU HARBOR AREA) -- LARGE PROBABLE STORAGE/SUPPLY AREA WITH A TOTAL OF APPROXIMATELY 120 BUILDINGS, INCLUDING STORAGE, ADMINISTRATIVE, BARRACKS, AND MISCELLANEOUS TYPES.</p> <p>AREA B (IMMEDIATELY WSW OF AREA A) -- STORAGE AREA WITH A TOTAL OF 29 STORAGE AND MISCELLANEOUS BUILDINGS.</p> <p>AREA C (IMMEDIATELY WSW OF AREA A AND ADJACENT TO AREA B) -- VEHICLE MAINTENANCE AND STORAGE AREA WITH 6 BUILDINGS AND 9 PROBABLE CARGO TRUCKS.</p>				
<p>NAN-NING AREA, STORAGE AREAS</p> <p>AREA A (1.5 NM NW OF NAN-NING) -- ROAD-SERVED, SECURED STORAGE AREA WITH 12 DISPERSED UNREVIEWED BUILDINGS. A TOTAL OF 6 SUPPORT BUILDINGS OBSERVED IN AND IMMEDIATELY OUTSIDE SECURED AREA.</p> <p>AREA B (2.5 NM ENE OF AREA A) -- RAIL-SERVED, SECURED STORAGE AREA WITH 19 STORAGE AND 12 SUPPORT BUILDINGS.</p>	2250N 10819E	0615		14-G
<p>MA-KUAN AREA, STORAGE AREA</p> <p>.5 NM SOUTH OF MA-KUAN.</p> <p>APPARENTLY NON-MILITARY STORAGE AREA CONTAINS 2 LARGE WAREHOUSE-TYPE BUILDINGS. NO OTHER STORAGE FACILITIES OBSERVED.</p>	2301N 10421E	0616		23

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<p><u>URBAN COMPLEXES</u></p> <p>KUN-MING COMPLEX COMPLEX 90 PER CENT CLOUD COVERED. NO SIGNIFICANT ACTIVITY OBSERVED IN CLOUD-FREE AREAS.</p> <p>HSIA-MEN (AMOY) COMPLEX COMPLEX, APPROXIMATELY 6 SQ MI IN AREA, INCLUDES RAILROAD YARDS, PORT FACILITIES, MILITARY INSTALLATIONS, SMALL INDUSTRIAL AREAS, AND STORAGE AREAS.</p> <p>CHANG-PING COMPLEX PRIMARILY RESIDENTIAL COMPLEX, LESS THAN ONE SQ MI IN AREA AND SITUATED NORTH BANK OF YEN-SHIH CHI (RIVER), INCLUDES SMALL, 7-TRACK RAILROAD YARD WITH TURNING WYE ONE NM NORTH OF CHANG-PING CONTAINING ONE POSSIBLE ENGINE AND 33 BOX, 8-10 TANK, 20 GONDOLA, AND 18 FLAT CARS.</p> <p>YUNG-AN COMPLEX COMPLEX ON THE SHA-CHI CHIANG (RIVER), APPROXIMATELY 1.2 SQ MI IN AREA, INCLUDES RAILROAD YARD AND SHOPS, MINOR INDUSTRIES, AND STORAGE FACILITIES. RAIL-SERVED POL STORAGE AREA WITH 5 REVETTED TANKS OBSERVED 2 NM EAST OF YUNG-AN.</p>	2504N 10241E	0496	25X1A	11
	2427N 11805E	0498		1
	2518N 11724E	0498		8
	2559N 11721E	0498		52-C

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<div>25X1D</div> <div>[REDACTED]</div> <p>HAI-KOU COMPLEX COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, INCLUDES SEVERAL UNIDENTIFIED LIGHT INDUSTRIES IN HAI-KOU, MILITARY BARRACKS AREA IN HAI-KOU WITH SEVERAL BARRACKS-TYPE AND STORAGE BUILDINGS, MILITARY BARRACKS AREA ON SE EDGE OF HAI-KOU WITH APPROXIMATELY 130 BUILDINGS, LARGE MILITARY SUPPLY DEPOT APPROXIMATELY 1.5 NM SW OF HAI-KOU WITH APPROXIMATELY 230 MISCELLANEOUS BUILDINGS, AND POSSIBLE MILITARY STORAGE AREA ON NORTH SIDE OF SMALL ISLAND WEST OF HAI-KOU WITH A TOTAL OF APPROXIMATELY 50 STORAGE, ADMINISTRATIVE, AND MISCELLANEOUS BUILDINGS AND 2 SMALL PIERS. SEVERAL SMALL PIERS AND NUMEROUS SMALL CRAFT OBSERVED ALONG WATERWAY NORTH OF HAI-KOU.</p>	2002N 11020E	0615	<div>25X1A</div> <div>[REDACTED]</div>	6
<div>25X1D</div> <div>[REDACTED]</div> <p>NAN-NING COMPLEX COMPLEX, APPROXIMATELY 12 SQ MI IN AREA, COMPRISES NUMEROUS LIGHT INDUSTRIES, CHEMICAL PROCESSING PLANT UNDER CONSTRUCTION WITH SMOKE EMITTING FROM ONE STACK, RAILROAD CLASSIFICATION YARDS WITH 63 PASSENGER CARS, 33 FREIGHT CARS, 49 TANK CARS, AND 56 GONDOLA CARS, AND NUMEROUS BARRACKS AREAS IN NW SECTOR OF COMPLEX. DECK-TYPE, 7-SPAN, PROBABLY CONCRETE HIGHWAY BRIDGE UNDER CONSTRUCTION CROSSES YU CHIANG (RIVER) AT 22-48-30N 108-18-40E. SMALL BOATYARD WITH BUILDING WAYS AND MARINE RAILWAYS OBSERVED SOUTH OF COMPLEX ON YU CHIANG (RIVER).</p>	2249N 10819E	0615	<div>25X1A</div> <div>[REDACTED]</div>	14

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
NUMEROUS SMALL CRAFT OBSERVED ON YU CHIANG (RIVER). [REDACTED]				
KAI-YUAN COMPLEX INDUSTRIAL AND TRANSPORTATION COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, CONTAINS ONE 9-TRACK AND ONE 7-TRACK RAILROAD YARD, MILITARY SUPPLY DEPOT, SEVERAL SAWMILLS, REFRACTORY-TYPE INDUSTRY WITH SMALL THERMAL POWER PLANT, CHEMICAL PLANT WITH COAL-DERIVED GAS GENERATING PLANT CONTAINING 3 LARGE GAS HOLDERS AND PROBABLE DISTILLATION TOWER WITH ASSOCIATED EQUIPMENT, AND SMALL IRON SMELTER IN LATE STAGES OF CONSTRUCTION. LARGE THERMAL POWER PLANT IN SOUTH SECTION OF COMPLEX OBSERVED UNDERGOING EXPANSION. [REDACTED]	2342N 10314E	0616	25X1A [REDACTED]	12-A
WEN-SHAN COMPLEX WEN-SHAN COMPLEX COMPRISES TOWN OF WEN-SHAN (LESS THAN ONE SQ MI IN AREA) CONTAINING A FEW SMALL LIGHT INDUSTRIES AND LARGE MILITARY COMPLEX ON WEST EDGE OF TOWN WITH APPROXIMATELY 160 BARRACKS AND 75 ASSOCIATED BUILDINGS. [REDACTED]	2322N 10415E	0616		27
-NORTH VIETNAM- <u>AIR INSTALLATIONS</u> LAO KAY AIRFIELD ONE NM SSE OF LAO KAY.	2229N 10358E	0616		5-A

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
2,800 X 550 FT NW/SE SOD RUNWAY, SERVICEABLE. AIRCRAFT -- NONE OBSERVED. [REDACTED]	2232N 10321E	0616	25X1A [REDACTED]	491
PHONG THO AIRFIELD NE EDGE OF PHONG THO. 2,500 X 160 NW/SE SOD RUNWAY WITH BRUSH OVERGROWTH ON NW END AND ROADS TRAVERSING CENTER OF RUNWAY OBSERVED. AIRFIELD UNSERVICEABLE AND APPARENTLY ABANDONED. [REDACTED]				
<u>MILITARY/NAVAL INSTALLATIONS</u>				
LAO KAY AREA, MILITARY COMPLEX 1.5 NM SSE OF LAO KAY. SMALL, PARTIALLY SECURED POSSIBLE MILITARY AREA CONTAINS ONE ADMINISTRATIVE, 2 BARRACKS- TYPE, AND 2 SMALL SUPPORT BUILDINGS. NO VEHICLES OR EQUIPMENT OBSERVED IN AREA. [REDACTED]	2228N 10358E	0616		5-E
LANG NHON AREA, BARRACKS AREA 1.4 NM NW OF LANG NHON. SECURED AREA CONTAINS 5 BARRACKS AND ONE ADMINISTRATIVE AND 4 SUPPORT BUILDINGS. [REDACTED]	2226N 10400E	0616		328-F
<u>BASIC SERVICES</u>				
LAO KAY-LAOS BORDER, ROAD NO MILITARY OR CONSTRUCTION ACTIVITY APPARENT ON SEGMENTS OF GENERALLY NE/SW ROAD OBSERVED FOR APPROXIMATELY 12 NM FROM LAO KAY TO CHA PA (NORTH VIETNAM).	2231N 10359E	0616		5-F

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<div></div> <p>CHAO KIAO--NA MA--DONG VAN, ROAD NEW, PROBABLY SINGLE-LANE, CRUSHED ROCK ROAD UNDER CONSTRUCTION EXTENDING GENERALLY NE OBSERVED FROM NA MA (23-07N 105-08E) FOR APPROXIMATELY 17 NM TO DONG VAN (23-16N 105-22E), 2 NM WSW OF THE NORTH VIETNAM-CHINA BORDER.</p>	2309N 10502E	0616		384
<div></div> <p>URBAN COMPLEXES</p> <p>LAO KAY COMPLEX</p> <p>COMPLEX, TRANSPORTATION CENTER ON YUAN CHIANG (RED RIVER) AT THE NORTH VIETNAM-CHINA BORDER AND LESS THAN ONE SQ MI IN AREA, INCLUDES THERMAL ELECTRIC POWER PLANT, RAILROAD YARD WITH APPROXIMATELY 50 RAILROAD CARS, AND SMALL BARRACKS AND STORAGE AREAS.</p>	2231N 10359E	0616	25X1A <div></div>	5
<div></div> <p>LANG NHON COMPLEX</p> <p>COMPLEX, LESS THAN ONE SQ MI IN AREA, INCLUDES A LARGE NON-MILITARY HOUSING AREA, SMALL STORAGE AREA, AND RAILROAD YARD WITH TURNING WYE.</p>	2225N 10402E	0616		328-H

SECTION II

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH REFLECT NO CHANGE IN FACILITIES FROM PREVIOUS TARGET DESCRIPTION. THE MISSION NUMBER SHOWN ON THE PHOTO REFERENCE LINE (E.G., NAC 9000) REFERS TO THE MCI WHICH CONTAINS THE MOST ADEQUATE DESCRIPTION OF THAT TARGET. MILITARY INSTALLATIONS WHERE NO ORDER OF BATTLE CAN BE DETERMINED ARE LISTED UNDER THIS SECTION.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
<u>AIR INSTALLATIONS</u>				
1D FORT BAYARD AIRFIELD	2113N 11020E	0615	25X1A	1-E
1D TAN CHU AIRFIELD	2329N 11032E	0615		19
1D MENG T'U AIRFIELD	2321N 10325E	0616		7
<u>MILITARY/NAVAL INSTALLATIONS</u>				
1D KUN MING AREA MILITARY GARRISON	2500N 10247E	0496	25X1A	11-N
1D KUN MING AIR FORCE DEPOT	2501N 10244E	0496		11-S
1D CHEN-HAI CHIAO (CAPE) MILITARY ACTIVITY	2416N 11806E	0498		11
1D TA MAO WEI MILITARY INSTALLATION	2256N 11418E	0614	25X1A	28-D
1D KUET TAN AREA BARRACKS AREAS SOUTHWEST	2300N 11555E	0614		57
1D MI CHU MILITARY COMPLEX	2247N 10314E	0616		13

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City, Installation		Coordinates	WAC	Installation Numbers	
				BE	NPIC
<u>BASIC SERVICES</u>				25X1A	
KUN-MING THERMAL POWER PLANT YANG-TSUNG HAI		2458N 10301E	0496		11-V
<u>STORAGE</u>					
TA-LAN AREA, REVETTED STORAGE AREA		2308N 11301E	0614		81
<u>URBAN COMPLEXES</u>					
LIU-CHOU COMPLEX		2418N 10924E	0497		17
CHAN-CHIANG (FORT BAYARD) COMPLEX		2112N 11023E	0615		1

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SECTION III

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
<u>AIR INSTALLATIONS</u>			25X1A	
PAI-SE AIRFIELD [REDACTED]	2353N 10639E	0616	[REDACTED]	8
<u>MILITARY/NAVAL INSTALLATIONS</u>				
LIEN-TUNG MILITARY INSTALLATION [REDACTED]	2251N 11419E	0614		28-E
KUEI-TAN AREA, BARRACKS AREA SOUTHEAST [REDACTED]	2302N 11604E	0614	25X1A	57-A
SHAN-TOU ARMY BARRACKS LIEN-TANG [REDACTED]	2327N 11635E	0614	[REDACTED]	37-U5
TU-LUNG-HSIN-CHIEH, MILITARY CAMP [REDACTED]	2254N 10431E	0616		25
<u>ELECTRONICS/COMMUNICATIONS</u>				
AN-NING HF COMMUNICATIONS STATION [REDACTED]	2453N 10229E	0496		27-B
<u>INDUSTRY</u>			25X1A	
AN-NING IRON AND STEEL PLANT KUN-MING [REDACTED]	2454N 10229E	0496	[REDACTED]	27-C
YUNG-AN AREA, ORE PROCESSING PLANT [REDACTED]	2602N 11719E	0498		52-A

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
KO-CHIU, ORE PROCESSING AND SMELTING COMPLEX [REDACTED]	2322N 10309E	0616		4
<u>BASIC SERVICES</u>				
AN-NING AREA, RAILROAD UNDER CONSTRUCTION [REDACTED]	2456N 10229E	0496		27
PAI-SE AREA, DAM & RESERVOIR [REDACTED]	2357N 10639E	0616		8-A
<u>STORAGE</u>				
MA-LI-PO, PROBABLE STORAGE AREA [REDACTED]	2307N 10443E	0616		24
<u>URBAN COMPLEXES</u>				
AN-NING COMPLEX [REDACTED]	2455N 10229E	0496	25X1A [REDACTED]	27-D
-NORTH VIETNAM-				
<u>AIR INSTALLATIONS</u>				
LAI CHAU AIRFIELD [REDACTED]	2203N 10309E	0616		118-A
CAO BANG AIRFIELD [REDACTED]	2239N 10616E	0616		104

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
	<u>MILITARY/NAVAL INSTALLATIONS</u>				
	LAI CHAU, MILITARY CAMP	2204N 10310E	0616		118-C
25X1D	[REDACTED]				
	SA CHAI AREA, MILITARY CAMP	2223N 10315E	0616		322
25X1D	[REDACTED]				
	HA GIANG, MILITARY COMPLEX	2249N 10459E	0616		417
25X1D	[REDACTED]				
	<u>INDUSTRY</u>				
	LANG VACH AREA, MINING ACTIVITY	2225N 10402E	0616		331
25X1D	[REDACTED]				
	<u>BASIC SERVICES</u>				
	HA GIANG-CHINA BORDER, ROAD	2249N 10459E	0616		417-A
25X1D	[REDACTED]			25X1A	
	<u>URBAN COMPLEXES</u>				
	CAO BANG COMPLEX	2240N 10615E	0616	[REDACTED]	104-A
25X1D	[REDACTED]				

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SUBJECT INDEX

THIS INDEX PROVIDES A LISTING OF ALL TARGETS CONTAINED IN SECTIONS I, II AND III. THE INDEX IS ARRANGED 1) BY CATEGORY, 2) BY COUNTRY WITHIN EACH CATEGORY, AND 3) ALPHABETICALLY BY PLACE NAME WITHIN EACH COUNTRY.

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YUNG-AN COMPLEX

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APPENDIX
EXPLANATION OF COLUMN HEADINGS,
PHOTO REFERENCE DATA AND
CONDITIONS AFFECTING PHOTOGRAPHY
COLUMN HEADINGS

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

Coordinates -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

Installation Numbers -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0492-1 and an NPIC target number 0493-1. In each instance, the NPIC installation number is 1, but the installations appear on different WAC charts.

PHOTO REFERENCE DATA

The photo reference data indicates the frame(s) on which the installation appears.

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CONDITIONS AFFECTING PHOTOGRAPY

Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C (clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); D (darkness); SD (semidarkness); O (obliquity); S (snow); and PQ (poor image quality).

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